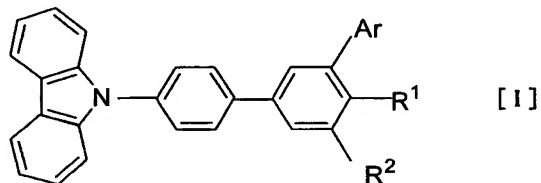


## CLAIMS

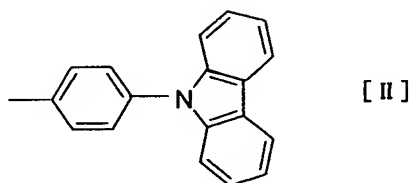
1. A host material for electroluminescence devices which comprises a carbazole derivative represented by following general formula [1]:

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wherein one of  $R^1$  and  $R^2$  represents a group expressed by following formula [II]:

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the other of  $R^1$  and  $R^2$  represents the group expressed by formula [II], hydrogen atom or an aryl group having 6 to 50 nuclear carbon atoms, Ar represents a substituted or unsubstituted aryl group having 6 to 60 nuclear carbon atoms, a case where Ar represents phenyl group, 4-biphenyl group, 4-terphenyl group or 4-quaterphenyl group is excluded and, when  $R^1$  represents hydrogen atom and  $R^2$  represents the group expressed by formula [II], a case where Ar represents 3,5-diphenylphenyl group is excluded.

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2. A host material according to Claim 1, wherein  $R^1$  represents hydrogen

atom and  $R^2$  represents the group expressed by formula [II] in general formula [I].

3. A host material according to Claim 1, wherein  $R^1$  represents the group  
5 expressed by formula [II] and  $R^2$  represents hydrogen atom in general formula [I].

4. A host material according to any one of Claims 2 and 3, wherein Ar in  
general formula [I] represents a substituted or unsubstituted aromatic  
10 cyclic group having condensed 2 to 4 benzene rings.

5. A host material according to any one of Claims 2 and 3, wherein Ar in  
general formula [I] represents a substituted or unsubstituted polyphenyl  
group in which 2 to 5 phenyl groups are connected to each other.

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6. A host material according to Claim 5, wherein Ar in general formula  
[I] represents a substituted or unsubstituted polyphenyl group in which 4  
or 5 phenyl groups are connected to each other.

20 7. An organic electroluminescence device which comprises a cathode, an  
anode and an organic thin film layer which comprises at least one layer  
comprising at least an organic light emitting layer and is disposed  
between the cathode and the anode, wherein the organic light emitting  
layer comprises the host material described in any one of Claims 1 to 6  
25 and a dopant.

8. An organic electroluminescence device according to Claim 7, wherein the host material and the dopant exhibit a phosphorescent property and light emitted and obtained by application of an electric current comprises phosphorescent light.